

**Iowa Department of Natural Resources**  
**Wastewater Section**  
**Construction Permit Application**  
**SCHEDULE I, Screening, Grit Removal & Flow Measurement**

DATE PREPARED	PROJECT IDENTITY	DNR USE
DATE REVISED		PROJECT NO.
		PERMIT NO.

Screening Facilities:

1. Location of Unit \_\_\_\_\_
2. Type of screen: Manually cleaned \_\_\_\_\_ Mechanically cleaned \_\_\_\_\_ Comminution \_\_\_\_\_

Unit	Area		Opening Size Inches	Slope Degrees	Velocity fps	Head Loss ft.	Capacity MGD
	Total ft2	Effective ft2					

3. Have the following been provided for? Describe.
- (a) Lighting Yes ☐ No ☐ \_\_\_\_\_
- (b) Ventilation Yes ☐ No ☐ \_\_\_\_\_
- (c) Means for removing screenings Yes ☐ No ☐ \_\_\_\_\_
- (d) Entrances Yes ☐ No ☐ \_\_\_\_\_
4. Screen channel invert is \_\_\_\_\_ inches below incoming sewer.
5. Is auxiliary screen provided? \_\_\_\_\_ Describe: \_\_\_\_\_
6. Method of screening disposal \_\_\_\_\_
7. Is a service bypass provided? \_\_\_\_\_ Discharge to \_\_\_\_\_

Grit Removal Facilities:

1. Location of Unit \_\_\_\_\_
2. Type \_\_\_\_\_ No. of Units \_\_\_\_\_
3. Dimensions \_\_\_\_\_ Volume \_\_\_\_\_ gal. Detention time \_\_\_\_\_ minutes
4. Type of velocity control \_\_\_\_\_
5. Linear velocity (fps) Average \_\_\_\_\_ Maximum \_\_\_\_\_ Minimum \_\_\_\_\_
6. Method of dewatering \_\_\_\_\_
7. Is a service bypass provided? \_\_\_\_\_ Discharge to \_\_\_\_\_
8. Method of grit removal \_\_\_\_\_
9. Location of grit removal \_\_\_\_\_

Flow Measurement Facilities:

1. Location of Unit \_\_\_\_\_
2. Type of measurement \_\_\_\_\_ Maximum capacity \_\_\_\_\_ MGD
3. Type of recording \_\_\_\_\_ Maximum capacity \_\_\_\_\_ MGD
4. Is a service bypass provided? \_\_\_\_\_ Discharge to \_\_\_\_\_